

Applicants: RAVI, Ashoke et al.  
Serial No.: 10/608,549  
Attorney Docket No.: P-5781-US

### **REMARKS**

Applicants have carefully studied the Office Action. This paper is intended to be fully responsive to all points of rejection and objection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application are respectfully requested.

### **Status of the Claims**

Claims 29-31, 40-41 and 46-49 are pending in the Application. Claims 1-28, 32-39 and 42-45 have been cancelled, without prejudice. Claims 29, 31, 40 and 41 have been amended. New claims 46-49 have been added.

### **Allowable Subject Matter**

Applicants appreciate the Examiner's finding of allowable subject matter in original claims 29-31, 40 and 41, and the Examiner's indication that these claims would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

Accordingly, Applicants have rewritten claims 29 and 31 in independent form including all the limitations of original independent claim 28. Applicants have rewritten claims 40 and 41 in independent form including all the limitations of original independent claim 39. No new matter has been added.

In view of the above, Applicants submit that amended claims 29, 31, 40 and 41 are allowable.

Claim 30 depends from amended claim 29, which, as described above, is allowable, and includes all the features of claim 29. Therefore, Applicants submit that claim 30 is allowable.

Applicants: RAVI, Ashoke et al.  
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### **Election / Restrictions**

The Examiner argued that upon further examination, claims 1-10, 16, 23-27, 35-38 and 43-45 do not appear to be drawn to the elected Species 5, Figure 13, and that therefore these claims are withdrawn from consideration.

Without conceding the appropriateness of the Examiner's argument, Applicants have canceled claims 1-10, 16, 23-27, 35-38 and 43-45.

### **Objections to the Specification**

The Examiner objected to the disclosure because of an informality, contending that the recitation "gate" is not a generally accepted terminology for a "phase detector" and that appropriate correction is required.

Without conceding the appropriateness of the Examiner's contention, Applicants have amended the specification by replacing the term "gate 704" with the term "phase detector 704" in paragraphs [0066], [0067] and [0069]. No new matter has been added.

### **Objections to the Claims**

The Examiner objected to claims 29, 31, 33, 40 and 41 because of an informality, contending that the recitation "gate" is not a generally accepted terminology for a "phase detector" and that appropriate correction is required.

Without conceding the appropriateness of the Examiner's contention, Applicants have cancelled claim 33, without prejudice, and amended claims 29, 31, 40 and 41 by replacing the term "gate" with the term "phase detector". No new matter has been added.

### **Claim Rejections Under 35 USC §102(b)**

The Examiner rejected claims 11-15, 20, 22, 28 and 33 under 35 USC §102(b) as being anticipated by Rubin, United States Patent Number 3,832,713 ("Rubin").

Without conceding the appropriateness of the Examiner's rejection, Applicants have canceled claims 11-15, 20, 22, 28 and 33, without prejudice.

Applicants: RAVI, Ashoke et al.  
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Attorney Docket No.: P-5781-US

Accordingly, the Examiner's rejection of claims 11-15, 20, 22, 28 and 33 under 35 USC §102(b) is now moot.

#### **Claim Rejections Under 35 USC §103(a)**

The Examiner rejected claim 21 under 35 USC §103(a) as being unpatentable over Rubin in view of Prakash et al., United States Patent Number 5,717,730.

The Examiner rejected claim 39 under 35 USC §103(a) as being unpatentable over Rubin in view of Klemens et al., United States Patent Number 6,239,755.

Without conceding the appropriateness of the Examiner's rejections, Applicants have canceled claims 21 and 39, without prejudice.

Accordingly, the Examiner's rejections of claims 21 and 39 under 35 USC §103(a) are now moot.

#### **New Claims**

Applicants have added new claims 46-49 to more clearly define the claimed invention. It is respectfully submitted that no new matter has been added by adding these new claims.

As discussed, the Examiner identified claim 30 as having allowable subject matter. New claim 46 recites the allowable subject matter identified in claim 30, as well as additional distinguishing features. Therefore, it is respectfully submitted that claim 46 is allowable.

As discussed, the Examiner identified claims 29-31 as having allowable subject matter. New claims 47-49 recite the allowable subject matter identified in claims 29-31, respectively, as well as additional distinguishing features. Therefore, it is respectfully submitted that claims 47-49 are allowable.

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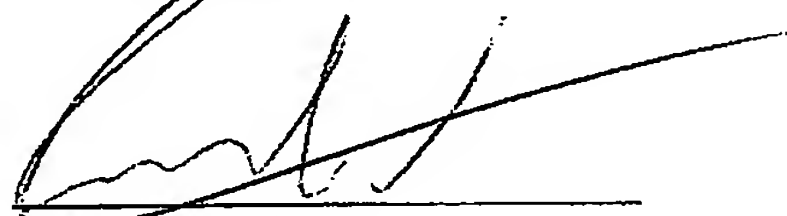
### Conclusion

In view of the foregoing amendment and remarks, and for at least the reasons discussed above, Applicants respectfully submit that claims 29-31, 40-41 and 46-49 are deemed to be allowable. Their favorable reconsideration and allowance are respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this paper, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

No fees are believed to be due. However, if any fees are due, please charge any such fees to deposit account No. 05-0649.

Respectfully submitted,



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